IN THE CLAIMS

Claim 1 (currently amended):

1. A method for making an optical fiber, comprising the steps of:

providing an optical fiber preform having a longitudinal axis;

heating at least a portion of the optical fiber preform in a heat source as the optical fiber preform passes therethrough;

rotating the optical fiber preform about its longitudinal axis ~~and with respect~~ relative to the heat source ~~at a rotation rate that is less than approximately 600 revolutions per minute (rpm)~~; ~~and~~

drawing an optical fiber from the heated ~~, rotated~~ optical fiber preform; and

spinning the optical fiber as it is being drawn from the heated optical fiber preform.

Claim 2 (canceled)

Claim 3 (currently amended):

3. The method as recited in claim 1, wherein the ~~rotating step rotates the optical fiber preform about its longitudinal axis and with respect to the heat source at a constant~~ rate of relative rotation is constant.

Claim 4 (canceled)

Claim 5 (currently amended):

5. The method as recited in claim 1, wherein the ~~rotating step rotates the optical fiber preform about its longitudinal axis and with respect to the heat source in a first direction of~~ relative rotation is unidirectional.

Claim 6 (canceled)

Claim 7 (currently amended):

7. The method as recited in claim 1, wherein the ~~rotating step further comprises the steps of maintaining the~~ heat source is maintained rotationally stationary and ~~rotating~~ the optical fiber preform is rotated about its longitudinal axis.

Claim 8 (currently amended):

8. ~~A method for making an optical fiber, comprising the steps of:~~

~~providing an optical fiber preform having a longitudinal axis;~~

~~heating at least a portion of the optical fiber preform in a heat source as the optical fiber preform passes therethrough;~~

The method as recited in claim 1, wherein ~~maintaining~~ the optical fiber preform is maintained rotationally stationary [[;]] and

~~rotating~~ the heat source is rotated about the longitudinal axis of the optical fiber preform.

Claim 9 (canceled)

Claim 10 (original):

10. The method as recited in claim 1, wherein the optical fiber has a PMD coefficient less than approximately 0.2 picoseconds/(kilometer)$^{1/2}$.

Claim 11 (currently amended):

11. The method as recited in claim 1, wherein the heat source ~~further~~ comprises a furnace.

Claims 12-21 (canceled)